

Protobuf Compatibility

Start with Basic

v1

```
message HelloRequest {  
    string name = 1;  
}
```

```
message HelloReply {  
    string message = 1;  
}
```

```
service HelloService {  
    rpc Hello(HelloRequest) returns (HelloReply);  
}
```

Add a Field

v2

```
message HelloReply {  
    string message = 1;  
    string version = 2;  
}
```

Rename a Field

v3

```
message HelloRequest {  
    string alt_name = 1;  
}
```

Change a Field Type

v4

```
message HelloRequest {  
    int64 name = 1;  
}
```

Delete a Field

v5

```
message HelloRequest {  
    // string name = 1;  
}
```

Delete a Field (2)

it's important to make sure the field number is not reused in the future

```
message HelloRequest {  
    reserved 1;  
}
```

Rename a Message

v6

```
message HelloV6Request {  
    string name = 1;  
}
```

```
service HelloService {  
    rpc Hello(HelloV6Request) returns (HelloReply);  
}
```


Summerize

Action	Compatible
Add a Field	Yes
Rename a Field	Yes
Change a Field Type	No
Delete a Field	Yes
Rename a Message	Yes

Q & A